

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

6000 WOOD DRIVE

HOUSTON, TEXAS 77070

DATE: April 6, 1981

SUBJECT: Laboratory Report: Oliver Yard, Old Olin Site; Houston, Texas, TX 01538

FROM: William D. Langley, Chief
Laboratory Services Section, 6ASAH

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TO: William J. Librizzi, Director
Laboratory Services Section, 6ASA

Thru: Malcolm F. Kallus, Chief, Houston Branch, 6ASAH

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Thirty-one soil and one water samples were collected by FIT personnel at the subject site on February 2, 3, and 4, 1981, and received at the Houston Laboratory on February 4 and 5. We were requested to hold these samples pending determination of analyses desired and priority. Subsequently we were requested to perform pesticides analysis on 12 of these samples and a complete screening of a 13th sample. The complete screening has not been completed, but the results of pesticide fraction analyses are presented below. All concentrations in the soils are reported on a dry weight basis.

1. HNB Laboratory No. 3649; Tag No. 6-1218

Source: Oliver Yard, Olin Site, 106' south of north fence.
S. P. Oliver Yard, surface soil.

Time/Date Collected: 1200 hours; 2/4/81.

p, p' - DDT

2,030 mg/kg (ppm)

Toxaphene and pentachloronitrobenzene (PCNB) were also present but unable to determine concentration due to presence of interfering substances.

2. HNB Laboratory No. 3650; Tag No., 6-1217

Source: S. P. Oliver Yard, 24" deep sample, 106' south of north fence.

Time/Date Collected: 1214 hours, 2/4/81.

p, p' - DDT
PCNB0.06 mg/kg (ppm)
0.0031 "3. HNB Laboratory No. 3653; Tag No. 6-1207

Source: Sea train, Pacific Lot, 2' deep.

Time/Date Collected: 1130 hours; 2/4/81

Toxaphene

0.389 mg/kg (ppm)

PCNB present at lesser concentration but not calculated. (Precise concentration would require more extensive analysis).



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4. HNB Laboratory No. 3655; Tag No. 6-1221

Source: Mustang Ind. Equipment. Surface sample.

Time/Date Collected: 0950 hours; 2/4/81.

p,p' - DDT	0.030 mg/kg (ppm)
p,p - DDD	0.046 "

5. HNB Laboratory No. 3659; Tag No. 6-1214

Source: S. P. Oliver Yard, 500'S. of N. Fence at 24" depth.

Time/Date Collected: 1245 hours; 2/4/81.

p,p' - DDT	0.034 mg/kg (ppm)
PCNB	0.0027 "

6. HNB Laboratory No. 3662; Tag No. 6-1257

Source: West ditch, northeast corner of site, 24" depth.

Time/Date Collected: 1050 hours; 2/3/81.

Toxaphene	41,300 mg/kg (ppm)
PCNB	208 "

7. HNB Laboratory No. 3663; Tag No. 6-1255

Source: West ditch, 100' south of northeast corner, east of site, 6" depth.

Time/Date Collected: 1105 hours; 2/3/81.

Toxaphene	3,000 mg/kg (ppm)
p,p' - DDT	1,120 "
PCNB	27.3 "

8. HNB Laboratory No. 3667; Tag No. 6-1259

Source: West ditch, 200' south of northeast corner, 3" to 5" depth.

Time/Date Collected: 1145 hours; 2/3/81.

p,p' - DDT	2,180 mg/kg (ppm)
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PCNB also present at lesser concentration but not calculated. (Precise determination would require more extensive analysis).

9. HNB Laboratory No. 3668; Tag No. 6-1266

Source: West ditch, 500' south of northeast corner.

Time/Date Collected: 1425 hours; 2/2/81.

p,p' - DDT
PCNB

2,130 mg/kg (ppm)
437 "

10. HNB Laboratory No. 3670; Tag No. 6-1276

Source: West ditch; 1000' south of northeast corner (southeast corner).

Time/Date Collected: 1500 hours; 2/3/81.

p,p' - DDT

8.81 mg/kg (ppm)

A second portion of this sample was extracted and analyzed as a duplicate sample. Found p,p' - DDT at 2.59 mg/kg (ppm).

11. HNB Laboratory No. 3672; Tag No. 6-1277

Source: South ditch, southeast corner of Wallisville Exchange Road.

Time/Date Collected: 1530 hours; 2/3/81.

No pesticides detected at detection limit of 0.017 mg/kg (ppm).

12. HNB Laboratory No. 3675; Tag No. 6-1254

Source: Wash north of fence, 82' north of northeast corner, 6" below surface.

Time/Date Collected: 1055 hours; 2/3/81.

Toxaphene

1,490 mg/kg (ppm)

13. HNB Laboratory No. 3675; Tag No. 6-1254

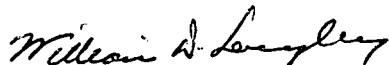
Source: 1000' south of Wallisville Road, 50' north of Culvert under railroad track.

Time/Date Collected: 1330 hours; 2/4/81.

p,p' - DDT

8.24 mg/kg (ppm)

A complete, priority pollutant screening requested for this sample has not been finished at this time.



William D. Langley